

AMENDED CLAIMS

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(09.06.2005); original Claims 1-15 replaced by new
Claims 1-10 (3 pages)]

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CLAIMS

1. Strap tensioner having a tensioning strap (1) and
a tensioning device (3) with a winding body (2)
10 for the tensioning strap (1), having a toothed
locking wheel (4) which is associated with the
winding body (2) and in the locking toothing
arrangement (5) of which a driving pawl (7),
associated with a driving lever (6), and a locking
15 pawl (8) engage, in order, by way of repeated
pivoting of the driving lever (6), to rotate the
winding body (2) with directional locking, it
being the case that the winding body (2) has a
spring accumulator (9) acting in the winding-up
20 direction and, as a storage reel, accommodates
substantially the entire length of the strap (1),
which has one end connected fixedly to the winding
body (2), characterized in that the driving lever
(6) and a handle (11), which is connected fixedly
25 to a tensioning-device housing (10), are
associated with one another there in a tong-like
manner, and in that the driving lever (6), for the
purpose of applying the tensioning force, can be
displaced in the direction of the handle (11)
30 counter to the force of a restoring spring (13).
2. Strap tensioner according to Claim 1,
characterized by a release lever (12) which is
associated, in particular, with the handle (11)
35 and is intended for releasing the locking
pawl (8).

3. Strap tensioner according to Claim 1, characterized in that the driving lever (6), in the rest position of the driving lever, is not in engagement with the locking teeth (5).
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4. Strap tensioner according to one of the preceding claims, characterized in that the spring accumulator (9) is capable of winding up the strap (1) automatically when the driving lever (6) is
10 located in the rest position and the release lever (12) is brought into the release position.
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5. Strap tensioner according to one of the preceding claims, characterized in that the winding body (2) consists of plastics material and is disposed in a housing (10) which is closed all the way round and merely has a through-passage slot (14) for the
20 tensioning strap and, if appropriate, operating openings (52) for the driving pawl (7) and the release lever (12).
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6. Strap tensioner according to one of the preceding claims, characterized in that the free end of the tensioning strap has a hook (15) for hooking into the tensioning-device housing (10).
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7. Strap tensioner according to one of the preceding claims, characterized in that the locking wheel (4) is formed by an annular punched metal part which is positioned in a form-fitting manner in the end wall (17) of the winding body (2).
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8. Strap tensioner according to one of the preceding claims, characterized in that the driving lever (6) has fork-like arms (18) which are articulated on the outside of the housing (10).
9. Gripping jaw (40) with two angled legs (41), the

two angled legs (41) having, on the outside,
devices (42) for disposing in a longitudinally
displaceable manner on a tensioning strap (1), and
the insides of the legs forming gripping surfaces
5 (43) for butting against a workpiece, the two
angled legs (41) being associated with one another
in a pivotable manner and being connected
integrally to one another to form a film hinge
(44), characterized by rear stiffening ribs (45)
10 which are associated with each gripping jaw and
between which the strip is guided, the stiffening
ribs (45) having overlapping portions (49) which
engage over the film hinge, and wedged ribs (47)
which are disposed between the two stiffening ribs
15 (45) and on which the tensioning strap (1) is
guided.

10. Gripping jaw according to Claim 9, characterized
in that the overlapping portions (49) form stop
20 edges (50) which, in the opened-out position of
the two angled legs, engage against counter stops
(51) of the respectively other angled leg (41).

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